

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of ~~managing stored~~ creating a quick recovery volume of a primary volume of data in a storage management system, the storage management system including a storage manager, a media agent connected to the storage manager, and a primary volume connected to the media agent, the method comprising:

performing a snapshot operation, wherein performing the snapshot operation includes:

quiescing the primary volume of data;

taking a first snapshot of the primary volume of data in accordance with a predefined policy, the policy comprising one or more parameters for creating a quick recovery volume;

after the first snapshot is taken, dequiescing the primary volume of data;
and

indexing the first snapshot by associating respective information relating to individual files within the primary volume of data with the first snapshot; and

taking a second snapshot, in accordance with the predefined policy;

performing a copy operation, wherein the copy operation is performed after the primary volume is dequiesced and includes:

selecting the first or second snapshot for copying as a source of data to copy to a quick recovery volume, wherein the quick recovery volume includes information about an application that created the data of the primary corresponding quick recovery volume;

parsing the data to be copied to the quick recovery volume;

logically addressing the data to be copied to the quick recovery volume.

performing a block-level copy of the parsed and logically addressed data of the selected first snapshot to the corresponding quick recovery volume; and
deleting the selected snapshot after the block-level copy is complete.

2. (Currently Amended) The method as recited in claim 1, further comprising:

displaying the snapshots first snapshot to a user, wherein displaying the first snapshot includes displaying information associated with an application that created data tracked by the first snapshot.

3. (Currently Amended) The method ~~as recited in~~ of claim 2, wherein the displaying ~~further the first snapshot~~ includes displaying at least one of a ~~respective date of creation of each the first snapshot~~, a ~~respective persistence of each the snapshot~~, and a ~~respective location of each the snapshot~~.

4. (Canceled)

5. (Canceled)

6. (Currently Amended) The method ~~as recited in~~ of claim 5 claim 1, further comprising:

displaying ~~to a user a respective one of the snapshots in a screen~~ the first snapshot to a user via a screen corresponding to the respective application that created the data of the primary volume.

7. (Currently Amended) The method as recited in ~~claim 4~~claim 1, further comprising:

~~enabling the presenting a user to select a least one of the snapshots for restoration one or more files created by the application that created the data of the primary volume; and~~
~~restoring the at least one snapshot selected by the user~~receiving a selection from the user to restore the file;
suspending access to the quick recovery volume;
restoring the selected file via the quick recovery volume; and
reinstating access to the quick recovery volume.

8. (Canceled)

9. (Currently Amended) The method as recited in claim 1, further comprising:

taking a second snapshot of the primary volume of data, wherein the second snapshot only tracks changes to the primary volume of data after the first snapshot was taken; and
~~deleting a snapshot after a defined period of time~~selecting the second snapshot as the source of data changed after the first snapshot was taken to copy to the quick recovery volume.

10-13. (Canceled)

14. (Currently Amended) A method for periodically copying changing data on a primary volume, the method comprising:

~~capturing~~performing a first snapshot of data in a primary volume in accordance with a predefined policy, ~~wherein the first snapshot being tracks a block level copy of the data in blocks of the primary volume;~~ and

associating application specific information to the first snapshot,
~~the policy comprising one or more parameters for creating a quick recovery volume;~~
storing the first snapshot and the associated application specific information to a destination volume, wherein storing the first snapshot and the associated application specific information creates a copy of the primary volume that facilitates a logical connection between the first snapshot of the data and an application that created the data;
~~in accordance with at least a second criteria specified in the policy, monitoring for a change in any one of the blocks stored in~~tracked by ~~the first snapshot;~~
~~and~~
~~storing a copy of performing a second snapshot of~~ a particular block when the monitoring determines that there was a change in the particular block ~~from~~
after the first snapshot was performed; and
~~selecting the first snapshot for copying to a corresponding quick recovery volume; and,~~
~~performing a block-level copy of the selected snapshot to the corresponding~~
storing the second snapshot to the quick recovery destination volume.

15. (Currently Amended) The method ~~as recited in~~ of claim 14, further comprising:

producing a copy of the primary volume using the first snapshot and any copies of blocks that changed after the first snapshot, after at least one block has changed ~~since~~ after the first snapshot was performed.

16. (Canceled)

17. (Currently Amended) A method of managing stored data in a storage management system, the storage management system including a storage manager, a

media agent connected to the storage manager, and a primary volume connected to the media agent, the method comprising:

~~taking performing a first snapshot of the primary volume in accordance with a predefined policy, the policy comprising one or more parameters for creating a quick recovery volume wherein the snapshot tracks data blocks of the primary volume;~~

~~identifying characteristics associated with the first snapshot data blocks tracked by the snapshot; and~~

~~storing the characteristics in an index that associates the data blocks of the primary volume with portions of the snapshot that track the data blocks;~~

~~selecting the first snapshot for copying the data blocks tracked by the snapshot to a corresponding quick recovery destination volume via the snapshot;~~

~~and,~~

~~performing a block-level copy of the selected snapshot to the corresponding quick recovery volume, deleting the snapshot; and~~

~~storing the index to the destination volume.~~

18-22. (Canceled)